

PROJECT: _____

SCHEDULE: _____ **DATE:** _____

PREPARE BY: _____

NOTES: _____

SPD SURGE PROTECTOR 20KV (277V/480V)

DESCRIPTION

naturaLED® SPD-L-20KV-277/480 series are designed to be used in conjunction with LED Drivers to provide an additional level of protection against powerline disturbances in industrial and commercial applications. It is low-cost single-phase SPD. Our SPD are 3-leaded devices that protects: line-ground, line-neutral, and neutral-ground connections, the relatively smaller size of the installation requirements than similar products. Protects against surges and transients per ANSI C62.41-2002 category C low (6KV, 1.2/50µS & 3KA, 8/20µS) standard Combo waves and (6KV, 100KHz) ring wave.

Surge protection device may produce sparks and burns in some kind of failure state (such as MOV failure or prolonged work under the condition of greater than maximum working voltage), it must be installed inside the luminaires with certain protective function.



P10390 SPD-L-20KV-277

Protection for LED drivers capable of operating at 277V input voltage or with universal input range of 120V through 277V

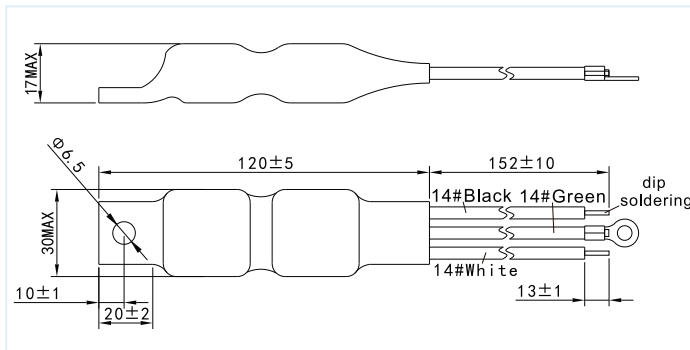
P10391 SPD-L-20KV-480

Protection for LED drivers capable of operating at 480V input voltage or with universal input range of 347V through 480V

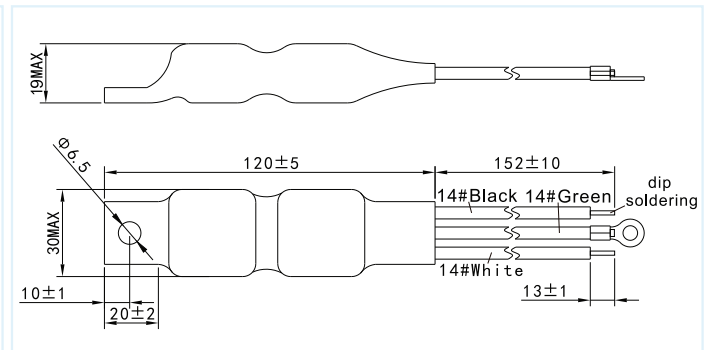
Model	AC Mains Voltage	Max Continuous Operating Voltage		Measured Limiting Voltage (MLV)	Nominal Current (In)	MAX Current (Imax)	Max clamping Voltage 8/20µS @ 10KA
SPD-L-20KV-277	277V	320V	420V	L-N:1300V	5kA	10kA	1500V
				L-G:1430V			
				N-G:1470V			
SPD-L-20KV-480	480V	550V	745V	L-N:2040V	10kA	22kA	2500V
				L-G:2270V			
				L-G:2250V			

IP65;Ta: -40~ 70°C (-40°F~158°F) ;Tc: 80°C (176°F)

SPD-L-20KV-277



SPD-L-20KV-480



measured in mm (millimeter)

Pulse rating (8 × 20µSec)

Strikes	Surge
1	22,000A
2	18,000A
15	10,000A
100	4,500A
1000	2,000A
10000	700A

